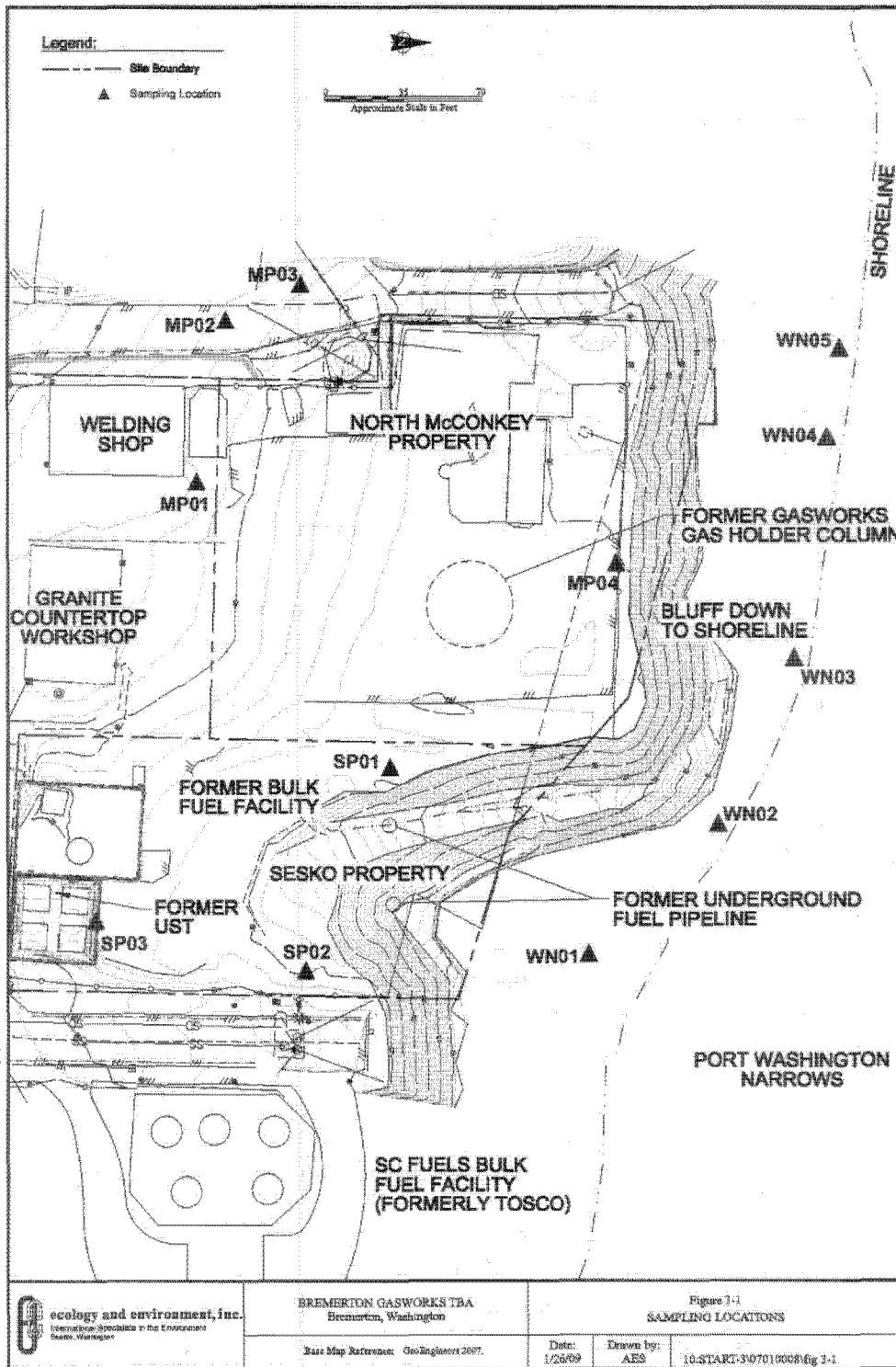


<b>1. Incident Name</b> Bremerton MGP Waste Release	<b>2. Operational Period to be covered by IAP (Date/Time)</b> From: 14OCT10      To: 18OCT10	<b>CG IAP COVER SHEET</b>												
<b>3. Approved by Incident Commander(s):</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;"><u>ORG</u></th> <th style="text-align: left;"><u>NAME</u></th> </tr> </thead> <tbody> <tr> <td>USCG</td> <td>FOSC Captain Scott Ferguson (206)217-6001 <i>[Signature]</i></td> </tr> <tr> <td>EPA</td> <td>FOSC Kathy Parker (206)321-3796</td> </tr> <tr> <td>DOE</td> <td>SOSC Brad Martin (425)941-7698</td> </tr> <tr> <td>DNR</td> <td>Shayne Cothorn (360)790-7691</td> </tr> <tr> <td>KITSAP CO</td> <td>Grant Holdcroft (360)621-2129</td> </tr> </tbody> </table>			<u>ORG</u>	<u>NAME</u>	USCG	FOSC Captain Scott Ferguson (206)217-6001 <i>[Signature]</i>	EPA	FOSC Kathy Parker (206)321-3796	DOE	SOSC Brad Martin (425)941-7698	DNR	Shayne Cothorn (360)790-7691	KITSAP CO	Grant Holdcroft (360)621-2129
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<h2 style="margin: 0;">INCIDENT ACTION PLAN</h2> <p style="margin: 0;">The items checked below are included in this Incident Action Plan:</p> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> ICS 202-CG (Response Objectives)         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> ICS 203-CG (Organization List) – OR – ICS 207-CG (Organization Chart)         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> ICS 204-CGs (Assignment Lists)          One Copy each of any ICS 204-CG attachments:         <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div> </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> ICS 205-CG (Communications Plan)         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> ICS 206-CG (Medical Plan)         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> ICS 208-CG (Site Safety Plan) or Note SSP Location         <div style="border: 1px solid black; height: 20px; width: 100%; margin-top: 5px;"></div> </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> Map/Chart         </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> Weather forecast / Tides/Currents         </div> <div style="margin-top: 10px;"> <u>Other Attachments</u> </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> ICS 201-CG Incidnet Briefing         </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> Ballard Diving and Salvage proposal         </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> Hydrocarbon Identification Analysis 30SEP10         </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> ICS 232-CG Resource Risk Assessment         </div> <div style="margin-top: 10px;"> <input checked="" type="checkbox"/> EPA PAH Results         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> _____         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> _____         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> _____         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> _____         </div> <div style="margin-top: 10px;"> <input type="checkbox"/> _____         </div>														
<b>4. Prepared by:</b> MST2 Kevin Mallick		<b>Date/Time</b> 14 OCT 2010 1430												

1. Incident Name BREMERTON MGP WASTE RELEASE	2. Prepared by: (name) MST1 WOOD Date: 14 OCT 2010 Time: 1435	INCIDENT BRIEFING ICS 201-CG
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3. Map/Sketch (include sketch, showing the total area of operations, the incident site/area, overflight results, trajectories, impacted shorelines, or other graphics depicting situational and response status)



1. Incident Name BREMERTON MGP WASTE RELEASE		2. Prepared by: (name) MST1 WOOD Date: 14 OCT 2010 Time: 1435		INCIDENT BRIEFING ICS 201-CG
<p><b>4. Current Situation:</b> MGP COAL TAR CREOSOTE WASTE (CREOSOTE RQ 1 LB) IS RELEASING INTO THE ENVIRONMENT FROM AN UNDERGROUND PIPE IVO PORT WASHINGTON MARINA, BREMERTON WA. THE PROPERTY SURROUNDING THE RELEASE USED TO BE BREMERTON GASWORKS AND HAS BEEN UNDER ASSESSMENT FOR THE NATIONAL PRIORITIES LIST BY THE EPA. TO DATE THE SITE HAS NOT BEEN DESIGNATED AS A SUPERFUND SITE. IT IS ESTIMATED THAT THE RELEASE HAS BEEN ONGOING FOR TWO WEEKS. THE AFFECTED AREA IS ONLY ACCESSIBLE DURING PERIODS OF LOW TIDE. THE SOURCE IS SUBMERGED IN 6 FEET OF WATER DURING HIGH TIDE. THE TIDAL FLAT AREA IS MANAGED BY WASHINGTON DEPARTMENT OF NATURAL RESOURCES. THE SOURCE HAS BEEN SURROUNDED BY A SILT FENCE TO CONTAIN SEDIMENT CONTAMINATION DURING TIDAL SHIFT AND SORBENT BOOM HAS BEEN DEPLOYED SURROUNDING THE PIPE TO CONTAIN ANY WATERBORNE POLLUTION. A 12 FT SECTION OF THE PIPE HAS BEEN EXCAVATED AND REVEALED THE PIPE IS CONSTRUCTED OF 4 FT SECTIONS AND HAS AN EXTERIOR DIAMETER OF 12 INCHES. THE PRODUCT IS RELEASING FROM A DISJOINTED BELL JOINT, SIMILAR JOINTS CONNECT EACH 4 FT SECTION OF PIPE. A SMALL RELEASE WAS OBSERVED AT A SECOND BELL JOINT 12 FT INLAND FROM THE ORIGINAL SOURCE. THE SURROUNDING GROUND AREA IVO THE PIPE IS HEAVILY CONTAMINATED. THE PIPE SOURCE IS UNKNOWN WITH AN UNKNOWN RELEASE POTENTIAL. THE LEGACY GASWORKS PROPERTY IS SPLIT BY TWO OWNERS, ONE IS RESPONSE AND THE OTHER REMAINS ELUSIVE.</p>				
<b>5. Initial Response Objectives, Current Actions, Planned Actions</b>				
05 1430	RECEIVED A REPORT OF RELEASE OF MGP COAL TAR CREOSOTE RELEASE			
1500	CONTACTED EPA AND DOE. EPA HIRED GLOBAL DIVING AND SALVAGE TO DEPLOY BOOM ON SITE OF RELEASE			
06 1000	ON SCENE AT SITE OF RELEASE AND CONDUCTED SAFETY BRIEF			
1005	CONDUCTED ON SITE ASSESSMENT OF POLLUTION THREAT			
1015	ADJACENT PROPERTY OWNER ARRIVED ON SCENE			
1044	CONTACTED DNR TO CONFIRM OWNERSHIP OF IMPACTED PROPERTY			
1130	KITSAP PUBLIC HEALTH ON SCENE			
1150	CONTACTED NPFC TO DISCUSS FUNDING OPTIONS FOR POTENTIAL CG MANAGED RESPONSE			
1230	RETURN TO BASE			
1340	CONTACTED EPA TO ARRANGE JOINT SITE VISIT TO DISCUSS AND COORDINATED RESPONSE			
07 1300	JOINT TELECOM WITH PST AND NPFC TO DISCUSS RESPONSE EFFORTS AND FUNDING CONSTRAINTS			
08 1000	JOINT ON SCENE MEETING WITH EPA, DNR, KITSAP CO			
1300	ASSUME FOSC			
1322	CERCLA OPENED. CPN C11005			
1330	GLOBAL DIVING AND SALVAGE HIRED TO SECURE RELEASE			
2200	FOSC AND PI ON SCENE ON SITE WITH GLOBAL			
2245	PIPE EXCAVATION BEGINS			
2330	PIPE UNCOVERED			
09 0000	DEPLOYED SLIT FENCE TO CONTAIN CONTAMINATED SOIL DURING TIDAL SHIFT			
0100	SORBENT BOOM DEPLOYED TO CONTAIN WATERBORNE POLLUTION			
0130	4 GAS ALARMS FOR LOW AND HIGH O2			
0135	SITE EVACUATED			
0145	DEPART STAGING AREA			
1200	IMD AND PST VISIT SITE TO EVALUATE EFFECTIVENESS OF CONTAINMENT			
1600	IMD, PST, EPA VISIT SIGHT TO CONDUCT AIR MONITORING PLAN AND GRID SAMPLING PLAN TO HELP IDENTIFY SOURCE/CONTAMINATION			
2000	IMD, PST, EPA ON SCENE TO BEGIN OPERATIONS			
2215	EPA BEGAN CALIBRATION OF AIR MONITORING EQUIPMENT			
2330	MONITORING EQUIPMENT STAGED IVO RELEASE AND IDENTIFIED WORK AREAS			
2345	GRID SAMPLING OPERATIONS BEGIN			
10 0000	IMD AND PST RE-ASSESS THE BROKEN JOINT AS THE SOURCE. VISIBLE TAR BALLS WERE OBSERVED FLOWING FROM PIPE.			



1. Incident Name BREMERTON MGP WASTE RELEASE	2. Prepared by: (name) MST1 WOOD Date: 14 OCT 2010      Time: 1435	INCIDENT BRIEFING ICS 201-CG
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6. Current Organization (fill in additional appropriate organization)

MST1 Danielle Wood USCG (206) 661-4402

Kathy Parker EPA (206) 321-3796

Brad Martin WADOE (425) 941-7698

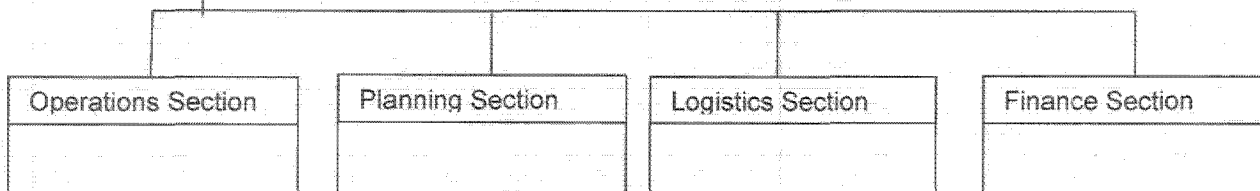
Shayne Cothorn WADNR (360) 902-1064

Grant Holdcroft Kitsap Co Public Health (360) 337-5605

— Safety Officer MST2 Kevin Mallick (206) 217-6212

— Liaison Officer LCDR Wade Gough (206) 217-6214

— Public Information Officer LT Jennifer Osborn (206) 217- 6623



<b>1. Incident Name</b> BREMERTON MGP WASTE RELEASE	<b>2. Operational Period (Date/Time)</b> From: 14OCT10 To: 18OCT10	<b>INCIDENT OBJECTIVES</b> ICS 202-CG
<b>3. Objective(s)</b> <p>1. PUBLIC SAFETY AND AWARENESS - SIGNS HAVE BEEN POSTED TO NOTIFY THE PUBLIC TO STAY OUT OF THE AFFECTED AREA. PRESS RELEASE IS READY FOR RELEASE AND WILL BE DONE BEFORE REMOVAL ACTIONS OCCUR. AIR MONITORING HAS TAKEN PLACE AND A SITE SAFETY PLAN HAS BEEN DRAFTED. NEARBY SHELLFISH BEDS HAVE BEEN CLOSED.</p> <p>2. DETERMINE SOURCE - BALLARD DIVING AND SALVAGE HAS SUBMITTED A PROPOSAL THAT HAS BEEN ACCEPTED BY THE UNIFIED COMMAND. THIS PROPOSAL INCLUDES SENDING A CRAWLER (REMOTE OPERATED VEHICLE) INTO THE PIPE IN EACH DIRECTION TO FIND THE SOURCE OF CONTAMINATION. A PNEUMATIC PLUG WILL BE ON SITE INCASE OF AN EMERGENCY PLUG SCENERIO AND WILL ULTIMATELY BE USED IF THE DECISION IS MADE TO PERMANENTLY PLUG THE PIPE. UNIFIED COMMAND REQUESTS A RESPONSE TRAILER WITH BOOM AND RESPONSE EQUIPMENT BE ONSITE DURING PIPE CUTTING AND ENTRY. THE CRAWLER WILL BE EQUIPPED WITH LIGHTING AND A CAMERA TO DOCUMENT CONDITIONS IN THE PIPE. THE PIPE WILL BE EXPLORED IN BOTH DIRECTIONS FROM THE RELEASE TO GATHER ALL AVAILABLE INFORMATION. THIS OPERATION CAN BE CONDUCTED AT THE LOW TIDE OR AT HIGH TIDE VIA VESSEL LAUNCH.</p> <p>3. SECURE RELEASE - AFTER THE CRAWLER HAS TRAVELED THE PIPE AND PROVIDED INFORMATION, THE UNIFIED COMMAND HAS DECIDED THAT THE SOURCE WILL BE SECURED IF POSSIBLE, AND THE PIPE WILL BE PLUGGED AT OR NEAR THE BLUFF WHICH BEGINS EPA JURISDICTION.</p> <p>4. CLEANUP/ REMEDIATION - ONCE THE SOURCE HAS BEEN SECURED, THE COAST GUARD WILL REMOVE VISIBLE CONTAMINATION FROM TIDAL ZONE TO PREVENT FURTHER WATERWAY IMPACT. FURTHER REMEDIATION WILL BE TAKEN OVER BY THE US EPA.</p>		
<b>4. Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)</b> SAFETY SHOULD REMAIN THE TOP PRIORITY IN ALL RESPONSE PHASES.  SITE SAFETY PLAN ATTACHED ALONG WITH BALLARD DIVING AND SALVAGE PROPOSAL.  ALL KEY DECISIONS SHOULD BE MADE BY THE UNIFIED COMMAND AND FUTURE ACTIONS WILL BE DISCUSSED WITH ALL INVOLVED PARTIES.  TRANSPARENCY ON THE OPERATION IS A PRIORITY. THE UNIFIED COMMAND WILL/HAS DESIGNATED PUBLIC AFFAIRS OFFICERS THAT WILL BE IN CONTACT TO COORDINATE PRESS RELEASES AND OR AVAILABLE PUBLIC INFORMATION.		
Approved Site Safety Plan Located at: (ATTACHED)		
<b>5. Prepared by: (Planning Section Chief)</b> MST2 KEVIN MALLICK	<b>Date/Time</b> 14OCT10 - 1300	

## INCIDENT OBJECTIVES (ICS 202-CG)

**Purpose.** The Incident Objectives form describes the basic incident strategy, control objectives, command emphasis/priorities, and safety considerations for use during the next operational period.

**Preparation.** The Incident Objectives form is completed by the Planning Section following each Command and General Staff Meeting conducted in preparing the Incident Action Plan.

**Distribution.** The Incident Objectives form will be reproduced with the IAP and given to all supervisory personnel at the Section, Branch, Division/Group, and Unit levels. All completed original forms **MUST** be given to the Documentation Unit.

Item #	Item Title	Instructions
1.	Incident Name	Enter the name assigned to the incident.
2.	Operational Period	Enter the time interval for which the form applies. Record the start and end date and time.
3.	Objective(s)	Enter clear, concise statements of the objectives for managing the response. These objectives are for the incident response for this operational period and for the duration of the incident. Include alternatives.
4.	Operational Period Command Emphasis	Enter clear, concise statements for safety message, priorities, and key command emphasis/decisions/directions. Enter information such as known safety hazards and specific precautions to be observed during this operational period. If available, a safety message should be referenced and attached. At the bottom of this box, enter the location where approved Site Safety Plan is available for review.
5.	Site Safety Plan	Note location of the approved Site Safety Plan.
	Prepared By	Enter the name of the Planning Section Chief completing the form.
	Date/Time	Enter date (month, day, year) and time prepared (24-hour clock).

NOTE: ICS 202-CG, Incident Objectives, serves as part of the Incident Action Plan (IAP)

## **Unified Command Contact List** **Bremerton MGP Waste Release**

<b><u>USCG</u></b>	<b>MST1 Danielle Wood</b>	<b>(206) 661-4402</b>
<b><u>US EPA</u></b>	<b>OSC Kathy Parker</b>	<b>(206) 321-3796</b>
<b><u>WA DOE</u></b>	<b>SOSC Brad Martin</b>	<b>(425) 941-7698</b>
<b><u>WA DNR</u></b>	<b>Shayne Cothern</b>	<b>(360) 790-7691</b>
	<b>Kristen Swenddal*</b>	<b>(360) 556-3921</b>
<b><u>Kitsap Public Health</u></b>	<b>Grant Holdcroft</b>	<b>(360) 621-2129</b>

\*Secondary contact for when Mr. Cothern is unavailable.\*



**Bremerton Gas Works  
beach spill contacts**

GPS: 47.57829  
-122.64233

SSID: 10JS  
cell

1725 Pennsylvania Ave,  
Bremerton WA 98310

		cell	office
WDOE Chemist	Bob Carrell	(b) (6)	360 871 8800
WDOE Spills Program	Brad Martin		425 649 7092 bmar461@ecy.wa.gov
ERRS RM	Bryan Chernick		chernick@phoenixcorp.net
EandE START R1	Bryan Vasser		bvasser@ene.com
EPA ORC	Cliff Villa		206 553 1185 villa.cliff@epa.gov
Cascade Natural Gas	Daniel Meredith		206 381 6720 dan.meredith@mdu.com
USCG	Danielle Wood		
DNR Asst Reg Man Shoreline District	Derrick Toba		360 802 7006 derrick.toba@dnr.wa.gov
EPA PO	Gary Sink		206 553 4687
Kitsap County Health	Grant Holdcroft		360 337 5605 holdcg@health.co.kitsap.wa.us
EPA PIO	Hanady Kader		205 553 0454 kader.hanady@epa.gov
Cascade Natural Gas Attorney	Howard Jensen		206 407 0501 jensen@tuppermackbrower.com
DNR PIO	Jane Chavey		
WDOT Manette bridge construction, F	Jeff Cook		360 204 0302
EPA Geo OSC	Jeff Rodin		206 553 6709
EPA SAM	Joanne Labaw		206 553 2594 labaw.joanne@epa.gov
Grant Solutions	Kathleen Byrne-Barrantes		360 697 5815 grantsolutions@comcast.net
EPA Geo OSC	Kathy Parker		206 553 0062 parker.kathy@epa.gov
USCG	Kevin Mallick		206 217 6212 Kevin.W.Mallick@uscg.mil
DNR Aquatics Division Manager	Kristin Swenddal		kristin.swenddal@dnr.wa.gov
Suquamish Tribe Chair	Leonard Forsman		360 394 8461 lforsman@suquamish.nsn.us
WDOH Shellfish and Water Protection	Mark Toy		360 236 3321 mark.toy@doh.wa.gov
USCG	Mike Long		michael.c.long@uscg.mil
DNR Shoreline District Manager	Neal Cox		neal.cox@dnr.wa.gov
WDOE (site contact?)	Panjini Balaraju		pbal461@ecy.wa.gov
Bremerton Waste Water	Pat Jacobsen		360 473 5327
Bremerton City Mayor	Patty Lent		360 473 5266 mayor@ci.bremerton.wa.us
Kitsap County Health	Richard Bazzel		360 307 4237 bazzar@health.co.kitsap.wa.us
Suquamish Tribe Fisheries	Rob Purser		360 598 3311 rpurser@suquamish.nsn.us
USCG	Ryan Johnson		206 217 6066 ryan.w.johnson@uscg.mil
DNR Fisheries Spill Responder	Shayne Cothorn		360 902 1064 shane.cothorn@dnr.wa.gov
EPA Chemist	Ted Haigh		360 871 8713 haigh.theodore@epa.gov
USCG Sector Puget sound	USCG Duty Officer		206 217 6002

Sesko Property Owners  
McConkey Property Owners

William, Natacha Sesko

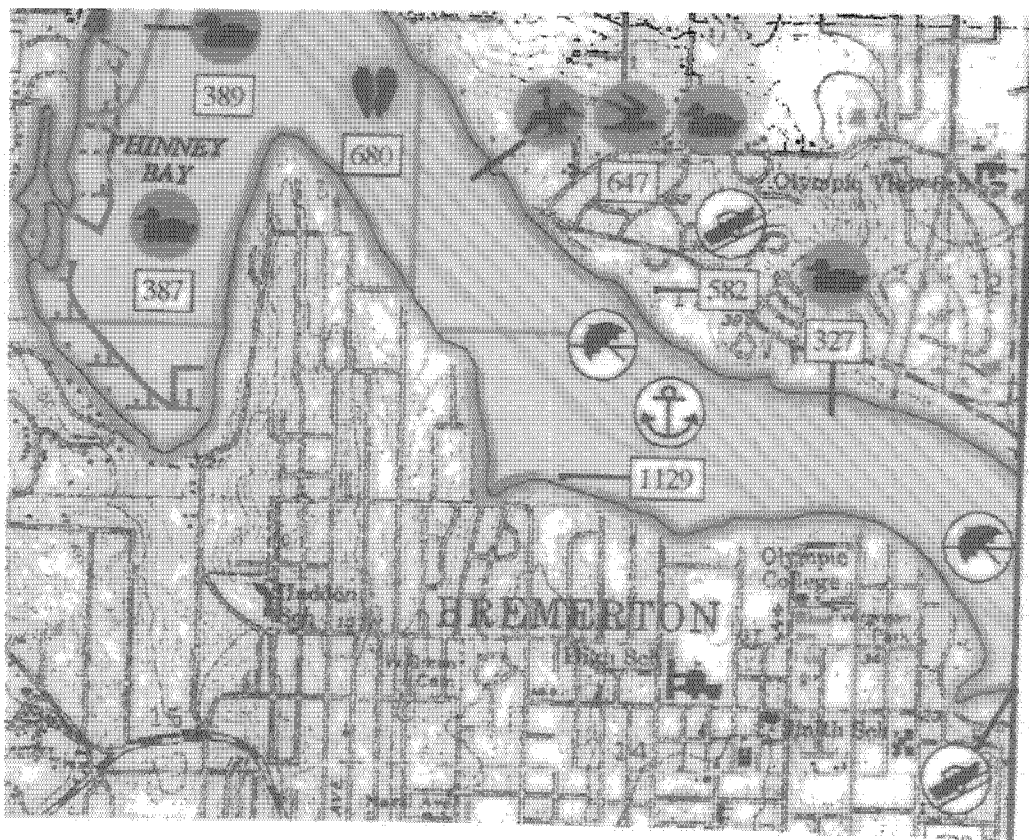
3536 Arsenal Way, Bremerton

**Brief Incident Initial History:**

**Date**

KHD rcd sheen report, KHD collected water samples Twiss labs analyzed waters	08/20/2010
KHD rcd sheen report, KHD obs heavy oil on beach, collected product sample	09/23/2010
WDOE lab analyzed product	
KHD rcd sheen report,	09/24/2010
KHD obs sheen, dug beach, coll samples	09/24/2010
KHD rcd sheen report, KHD ided loc of beach oil	10/01/2010
KHD dug beach pipe, contacted WDOE, EPA	10/04/2010
EPA, KHD coll product samples, boom	10/05/2010
EPA lab analyzed product	10/06/2010
USCG on site	10/07/2010
KHD, WDNR, EPA, USCG on site	10/09/2010

1. Incident Name Creosote Bremerton		2. Operational Period (Date/Time) Date: 07OCT10    Time: 1314		RESOURCES AT RISK SUMMARY ICS 232-CG	
3. Environmentally-Sensitive Areas and Wildlife Issues					
Site #	Priority	Site Name and/or Physical Location	Site Issues		
	2	Clam bed/ North of Anderson Cove	Species inhabit year round		
Narrative <u>Wildlife sensitivity determined by consultation of ESI maps for area.</u>     					
4. Archaeo-cultural and Socio-economic Issues					
Site #	Priority	Site Name and/or Physical Location	Site Issues		
	1	Port Washington Marina	Local marina with numerous live-aboard tenants. Have complained of strong odors and headaches occasionally		
	3	Lions Park/ Directly across channel from site	City Rec Area		
Narrative <u>Socio-Economic sensitivity determined by consultation of ESI maps as well as on-site evaluation by FOSCR and PI team.</u>     					
5. Prepared by: (Environmental Unit Leader)			Date/Time		
MST3 Dorian Satterlee			07OCT10 1314		
RESOURCES AT RISK SUMMARY			ICS 232-CG (Rev.07/04)		



Site indicated by 1129

Google maps

(b)(4) copyright



Free Marina Reservations - [www.Marinas.com](http://www.Marinas.com) - Over 1,500,000 Marina Slips View Photos for each Marina Slip >

**Bremerton, Washington**Local Time: 12:05 PM PDT (GMT -07) — [Set My Timezone](#)Lat/Lon: 47.6° N 122.6° W ([Google Map](#)) Tropical Weather: [Tropical Depression Paula](#) (North Atlantic) [Typhoon Megi](#) (Western Pacific)**Current Conditions**

Illahee, Bremerton, Washington (PWS)

Updated: 12:05 PM PDT on October 15, 2010

**52.9 °F**  
**Mostly Cloudy**

Humidity: 68%

Dew Point: 43 °F

Wind: Calm

Wind Gust: 0.0 mph

Pressure: 30.18 in (Rising)

Visibility: 10.0 miles

UV: 2 out of 16

Pollen: .20 out of 12

[Pollen Forecast](#) new!Clouds: Scattered Clouds 3400 ft  
Mostly Cloudy 4800 ft  
(Above Ground Level)

Elevation: 130 ft

**Rapid Fire Updates:**☒ Enable ☐ Disable**Source for Current Conditions:**☒ PWS & Airport ☐ Airport Only**» Weather History for This Location**

Select a source for your current conditions:

Illahee

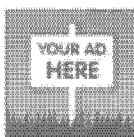
**Raw METAR****Aviation****Weather Radio**

Flight Rule: VFR (KPWT)

Wind Speed: 0.0 kts.

Wind Dir: 68° (ENE)

Ceiling: 4800 ft

[Full Report — Pilot Maps](#)**Self Serve Advertising!**

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[click to learn more](#)**Nearby Airports**

City:	Temp.:	Conditions:	Updated:
<a href="#">Bremerton</a>	50 °F	Mostly Cloudy	11:55 AM PDT
<a href="#">Seattle Boeing</a>	55 °F	Mostly Cloudy	11:53 AM PDT
<a href="#">Seattle</a>	53 °F	Mostly Cloudy	11:53 AM PDT
<a href="#">Renton</a>	54 °F	Mostly Cloudy	11:53 AM PDT

**Flight Tracker Arrivals**

Flight:	From:	To:	ETA:	Status:
<a href="#">SQH88</a>	Portland, OR	KBFI	12:01PM	On Time

**5-Day Forecast for ZIP Code 98310**[Customize Your Icons!](#)

Friday	Saturday	Sunday	Monday	Tuesday
54° F   41° F	54° F   43° F	58° F   41° F	58° F   40° F	61° F   40° F
Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy	Partly Cloudy
Hourly	Hourly	Hourly	Hourly	Hourly

Today is forecast to be Cooler than yesterday.

**Forecast for Seattle/Bremerton Area**

Updated: 7:30 am PDT on October 15, 2010

 No Active Advisories ([US Severe Weather](#))

**Today**  
Mostly sunny...except for areas of morning low clouds and patchy fog this morning. Highs in the 50s. Light wind becoming northeast 10 mph or less this afternoon.  
» [ZIP Code Detail](#)

**Tonight**  
Partly cloudy. Patchy fog after midnight. Lows in the upper 30s to mid 40s. North wind to 10 mph.

**Saturday**  
Mostly sunny...except patchy morning fog and low clouds. Highs in the mid 50s to lower 60s. North wind to 10 mph.  
» [ZIP Code Detail](#)

**Saturday Night**  
Partly cloudy. Patchy fog after midnight. Lows in the upper 30s to mid 40s. Northeast wind to 10 mph.

**Sunday**  
Mostly sunny...except patchy morning fog and low clouds. Highs in the mid 50s to lower 60s. Light wind becoming north 10 mph or less in the afternoon.  
» [ZIP Code Detail](#)

**Sunday Night**  
Partly cloudy. Lows in the lower 40s.

**Monday**  
Mostly sunny. Areas of fog. Highs in the lower 60s.

**Monday Night**  
Partly cloudy. Lows in the upper 30s to mid 40s.

**Tuesday**  
Mostly sunny. Areas of fog. Highs near 60.

**Tuesday Night**  
Partly cloudy. Lows near 40.

**Wednesday**  
Mostly sunny. Areas of fog. Highs in the lower 60s.

**Wednesday Night and Thursday**  
Partly cloudy. Lows in the lower to mid 40s. Highs in the lower 60s.

[Alternate Computer Forecast: AVN MOS Weather Graph](#)[Scientific Forecaster Discussion \(NWS\)](#)**Air Quality Forecast for Bremerton-Silverdale-Bainbridge Island**

SWA1357	Las Vegas, NV	KSEA	11:58AM	On Time
KAL19	Incheon (near Seoul)	KSEA	12:00PM	On Time
CHH495	Beijing	KSEA	12:00PM	On Time
DAL1929	Atlanta, GA	KSEA	12:02PM	On Time

## United States Airport Delays and Flight Status

Flight Tracker by FlightAware

FlightAware

## History &amp; Almanac

History &amp; Almanac

	Max Temperature:	Min Temperature:
Normal (KPWT)	56 °F	41 °F
Record (KPWT)	69 °F (1997)	30 °F (2008)
Yesterday	59.7 °F	45.7 °F

## Detailed History and Climate (KPWT)

October • 15 • 2010 • [View](#)

- [October Calendar View \(KPWT\)](#)
- [Yesterday's Official Weather and Almanac](#)
- [Seasonal Weather Averages](#)

## Today's State Extremes

Today's State Extremes

State Highs:		State Lows:	
Walla Walla	59°F	Olympia	33°F
Hanford	58°F	Quillayute	35°F
Pasco	57°F	Tacoma	35°F
Pullman	55°F	Puyallup	37°F
Ephrata	55°F	Yakima	37°F






## Astronomy

Astronomy

October 15, 2010	Rise:	Set:
Actual Time	7:29 AM PDT	6:22 PM PDT
Civil Twilight	6:58 AM PDT	6:53 PM PDT
Nautical Twilight	6:22 AM PDT	7:28 PM PDT
Astronomical Twilight	5:46 AM PDT	8:04 PM PDT
Moon	3:15 PM PDT	No Moon Set
Length Of Visible Light	11h 54m	
Length of Day	10h 52m	Tomorrow will be 3m 20s shorter.

[Extended View](#)

## First Quarter, 59% of the Moon is Illuminated

				
Today	Oct 22 Full	Oct 30 Last Quarter	Nov 5 New	Nov 13 First Quarter

For more information about the solar system:

- [View the Full Star Chart!](#)
- [Definitions of Astronomy Terms](#)

## Seattle News

Seattle News

[Tabby cat missing from 90th & Palatine](#)

[Zombie convention will swarm Seattle](#)








[South Park Bridge news promised this afternoon](#)

[Woman stabs classmate in anger-management class](#)

[Hill Style: CHS crowd\(d\) source edition](#)

[A Restaurant For \(Film\) Geeks: This Is What The Future Looks Like](#)

[Why Apple Makes the Products You Love and Microsoft Doesn't](#)


	Air Quality:	AQ Index:	Pollutant:
Yesterday	Good		PM2.5
Current	Good		PM2.5
Friday	Good		PM2.5
Saturday	Good		PM2.5
Sunday	Good		PM2.5
Monday	Moderate		PM2.5
Tuesday	Moderate		PM2.5

Want to learn more about air pollution? [Visit our health section.](#)
[Pollen Forecast](#) | [Current Air Quality](#) | [Yesterday's Peak](#)

## Forecast Temperature &amp; Probability of Precipitation

Forecast Temperature &amp; Probability of Precipitation

Place:	Today:		Tonight:		Saturday:	
Puyallup	58°F	10%	40°F	0%	59°F	0%
Tacoma	57°F	10%	38°F	0%	57°F	0%
Seattle	57°F	10%	43°F	0%	56°F	10%
Bremerton	54°F	10%	39°F	0%	55°F	0%
Edmonds	57°F	10%	43°F	0%	56°F	0%
Everett	54°F	10%	44°F	0%	54°F	10%

 = Probability of Precipitation

## Sports Weather

Sports Weather

NFL:	Date:	Forecast:
<a href="#">Seahawks vs. Bears</a>	12:00 PM CDT on October 17, 2010	Clear, 59 °F
<a href="#">Dolphins vs. Packers</a>	12:00 PM CDT on October 17, 2010	Partly Cloudy, 56 °F
College Football:	Date:	Forecast:
<a href="#">Bearcats vs. Cardinals</a>	8:00 PM EDT on October 15, 2010	Clear, 58 °F
<a href="#">RedHawks vs. Chippewas</a>	12:00 PM EDT on October 16, 2010	Clear, 50 °F
MLB:	Date:	Forecast:
<a href="#">Yankees vs. Rangers</a>	7:07 PM CDT on October 15, 2010	Clear, 79 °F
<a href="#">Yankees vs. Rangers</a>	3:07 PM CDT on October 16, 2010	Clear, 85 °F
Football (Soccer):	Date:	Forecast:
<a href="#">Albinoleffe vs. Vicenza</a>	3:30 PM CEST on October 15, 2010	Chance of Rain, High 57° F / 14° C
<a href="#">Siena vs. Empoli</a>	3:30 PM CEST on October 15, 2010	Chance of Rain, High 66° F / 19° C
NASCAR:	Date:	Forecast:
<a href="#">Bank of America 500</a>	7:46 PM EDT on October 16, 2010	Clear, 58 °F
<a href="#">TUMS Fast Relief 500</a>	1:13 PM EDT on October 24, 2010	Average High 69° F / 20° C

View Schedules: [NFL](#) | [CFB](#) | [MLB](#) | [IFB](#) | [NASCAR](#) | [PGA Golf](#) |

## Blogs in This Area

Blogs in This Area

City:	Member:	Title:	Last Activity:
Tukwila	<a href="#">TukwilaCathy</a>	TukwilaCathy's Wunder Blog	9 days ago

[Blogs for people who love weather and the outdoors! View All Blogs »](#)

Full-body scanners being readied for use at Sea-Tac

More News on Fwix

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- o Display Current conditions

[Get Your Weather Sticker!](#)

**Bremerton, WA**  
**52.9 °F**  
**Mostly Cloudy**  
**at 12:05 PM PDT**

(Click for forecast)



## Weather Stations



All Weather Stations			Personal Weather Stations			MADIS Weather Stations			Weather Stations WunderMap		
Station Location	Temp.	Dew Point	Humidity	Wind	Pressure	Precipitation	Windchill	Elevation	Updated	Type	
<a href="#">Illahee, Bremerton, WA</a>	52.9 °F	43 °F	68%	↖ ENE at 0.0 mph	30.18 in	0.00 in / hr	-	130 ft	12:05 PM PDT	Normal	
<a href="#">Waterman Point, Port Orchard, WA</a>	53.8 °F	46 °F	74%	↗ SSE at 2.0 mph	30.36 in	0.00 in / hr	-	50 ft	12:01 PM PDT	Normal	
<a href="#">Port Of Brownsville, Bremerton, WA</a>	50.2 °F	45 °F	81%	↘ ESE at 2.0 mph	30.34 in	0.00 in / hr	-	10 ft	12:05 PM PDT	Normal	<a href="#">Website</a>
<a href="#">Crane Ave E, Port Orchard, WA</a>	55.8 °F	38 °F	51%	↘ ESE at 4.0 mph	30.39 in	0.00 in / hr	-	80 ft	12:05 PM PDT	Rapid Fire	
<a href="#">Bainbridge Island, WA</a>	50.0 °F	48 °F	96%	↙ NW at 0.0 mph	30.12 in	0.00 in / hr	-	149 ft	12:05 PM PDT	Rapid Fire	<a href="#">Website</a>
<a href="#">Bainbridge Island, WA</a>	52.3 °F	47 °F	82%	↗ SSE at 0.0 mph	30.28 in	- / hr	-	150 ft	12:02 PM PDT	Normal	
<a href="#">Port Orchard, WA</a>	54.4 °F	47 °F	75%	↘ NNE at 1.1 mph	30.42 in	0.00 in / hr	-	0 ft	12:05 PM PDT	Rapid Fire	
<a href="#">Lupine Ln. near Dickey Rd., Silverdale, WA</a>	51.0 °F	-	-	↗ WNW at 0.0 mph	30.18 in	0.00 in / hr	-	250 ft	12:05 PM PDT	Normal	
<a href="#">Woodward Middle School, Bainbridge Island, WA</a>	51.5 °F	48 °F	86%	↖ ENE at 2.0 mph	30.37 in	0.00 in / hr	-	180 ft	11:58 AM PDT	Normal	<a href="#">Website</a>
<a href="#">MesoWest Bainbridge Island, Bainbridge Island, WA</a>	52 °F	-	-	↘ SE at 5 mph	-	0.00 in / hr	-	33 ft	10:15 AM PDT	MADIS	<a href="#">Website</a>
<a href="#">Island Lake, Silverdale, WA</a>	52.7 °F	48 °F	85%	↖ ENE at 0.0 mph	30.36 in	0.00 in / hr	-	366 ft	12:05 PM PDT	Rapid Fire	<a href="#">Website</a>
<a href="#">Ferncliff (Waterfront), Bainbridge Island, WA</a>	58.3 °F	52 °F	80%	↖ NE at 0.0 mph	30.37 in	0.00 in / hr	-	100 ft	12:05 PM PDT	Rapid Fire	<a href="#">Website</a>
<a href="#">Ving Point, Bainbridge Island, WA</a>	52.8 °F	48 °F	83%	↘ SSW at 2.0 mph	30.43 in	0.00 in / hr	-	80 ft	12:05 PM PDT	Rapid Fire	
<a href="#">Gorst, Port Orchard, WA</a>	51.8 °F	55 °F	92%	↖ NE at 0.0 mph	30.40 in	0.00 in / hr	-	185 ft	12:05 PM PDT	Rapid Fire	
<a href="#">Noll Rd NE7M, Poulsbo, WA</a>	53.8 °F	47 °F	78%	↗ West at 0.0 mph	30.39 in	0.00 in / hr	-	220 ft	12:05 PM PDT	Rapid Fire	
<a href="#">MesoWest Southworth, Southworth, WA</a>	51 °F	-	-	↘ SE at 3 mph	-	0.00 in / hr	-	33 ft	10:20 AM PDT	MADIS	<a href="#">Website</a>
<a href="#">MARITIME Seattle, WA</a>	51 °F	43 °F	74%	↖ North at 1 mph	30.39 in	0.00 in / hr	-	9 ft	11:00 AM PDT	MADIS	<a href="#">Website</a>
<a href="#">OTHER_HFM BREMERTON, WA, Port Orchard, WA</a>	45 °F	41 °F	87%	↖ East at 5 mph	30.40 in	0.00 in / hr	42 °F	482 ft	11:35 AM PDT	MADIS	<a href="#">Website</a>



APRSWXNET Gold Mountain WA, Bremerton, WA	46 °F 46 °F	100%	WSW at 0 mph	30.33 in	123.20 in / hr	46 °F	1687 ft	11:29 AM PDT	MADIS	<a href="#">Website</a>
Central Market Poulsbo, Poulsbo, WA	52.2 °F 51 °F	95%	↙ NNE at 3.0 mph	30.32 in	0.00 in / hr	-	68 ft	12:05 PM PDT	Rapid Fire	<a href="#">Website</a>
Near Discovery Park, Seattle, WA	53.0 °F 46 °F	77%	↙ North at 2.0 mph	30.40 in	0.00 in / hr	-	320 ft	12:05 PM PDT	Normal	
Magnolia, Seattle, WA	64.0 °F 47 °F	54%	↙ NE at 0.0 mph	29.97 in	0.00 in / hr	-	317 ft	12:02 PM PDT	Normal	<a href="#">Website</a>
APRSWXNET Seattle W, Seattle, WA	51 °F 44 °F	77%	↙ East at 1 mph	30.36 in	0.00 in / hr	-	372 ft	11:20 AM PDT	MADIS	<a href="#">Website</a>
Tree Ridge Lane, Poulsbo, WA	52.2 °F 52 °F	98%	↙ East at 0.0 mph	29.82 in	0.00 in / hr	-	467 ft	12:05 PM PDT	Rapid Fire	
Magnolia - Max Home, Seattle, WA	53.4 °F 45 °F	73%	↙ NNW at 5.0 mph	30.37 in	0.00 in / hr	-	226 ft	12:05 PM PDT	Rapid Fire	<a href="#">Website</a>
Magnolia, Seattle, WA	52.8 °F 45 °F	75%	↙ NNW at 0.0 mph	30.26 in	0.00 in / hr	-	114 ft	12:05 PM PDT	Normal	
Beach Drive - West Seattle, Seattle, WA	50.7 °F 46 °F	84%	↙ SW at 3.0 mph	30.39 in	0.00 in / hr	-	30 ft	12:05 PM PDT	Rapid Fire	
Magnolia, Seattle, Seattle, WA	50.7 °F 43 °F	75%	↙ NNE at 3.0 mph	30.29 in	- / hr	-	316 ft	11:52 AM PDT	Normal	
Miller Bay Estates, Poulsbo, WA	50.6 °F 48 °F	90%	↙ NNW at 0.0 mph	30.32 in	0.00 in / hr	-	250 ft	12:05 PM PDT	Rapid Fire	<a href="#">Website</a>
North Admiral - West Seattle (Two Dogs, Seattle, WA	50.3 °F 46 °F	86%	↙ NW at 0.0 mph	30.32 in	- / hr	-	305 ft	11:57 AM PDT	Normal	<a href="#">Website</a>

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#### Warnings and Notices

There are currently no warnings or advisories for this location.



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## **Manchester Environmental Laboratory**

7411 Beach Dr E, Port Orchard, Washington 98366

### **Case Narrative**

**September 30, 2010**

Subject: Kitsap Mystery Oil Project

Sample(s): 1009096-01

Officer(s): Brad Martin

Work Order#: 1009096

By: Bob Carrell 

### ***Hydrocarbon Identification Analysis***

#### **Analytical Method(s)**

The sample was extracted with methylene chloride then analyzed, along with a method blank and various petroleum product standards, by gas chromatography with flame ionization detection (GC/FID). This method is consistent with a modified EPA SW-846 Method 8015B and/or ASTM Method D-3328.

#### **Holding Times**

The sample was analyzed within the recommended method holding times.

#### **Calibration**

This is not applicable in the traditional sense since only various petroleum products standards are analyzed to establish chromatographic product "fingerprints".

#### **Blanks**

No analytically significant levels of any petroleum product or hydrocarbon were detected in the method blank (B10I285-BLK1) associated with this sample.

## Comments

The HCID analysis showed that this sample contained a significant amount of coal tar creosote. Creosote is primarily composed of polycyclic aromatic hydrocarbons (PAHs).

Washington State Department of Ecology  
Manchester Environmental Laboratory  
Final Analysis Report for  
Hydrocarbon Identification

Project Name: Kitsap Mystery Oil  
Work Order: 1009096  
Project Officer: Martin, Brad

Analyte: Hydrocarbon Identification  
Method: HYDRO-ID  
Matrix: Other

Sample #	Sample ID	Collected	Analyzed	Result
1009096-01	BOIS	09/24/10	09/30/10	This sample contains a significant amount of coal tar creosote.

QC Results for Batch ID: B10I285

Method Blank

B10I285-BLK1	Blank	No detectable petroleum hydrocarbons or products found.
--------------	-------	---

Authorized by:



Release Date:

9-30-10

Page 1 of 1  
9/30/2010

Project Code: LAB-503D			Reported Results			
Preliminary Results: PAH						
Sample Number	10402001					
	Results	Dilution Correction	mg/kg	PAH Target Values		
	ng	x100	0.1122g sample	Residential	Industrial	
Naphthalene	4.08	408	3.6	3.9	20	
Acenaphthylene	0.64	64	0.6			
Acenaphthene	0.76	76	0.7	3400	33000	
Fluorene	1.81	181	1.6	2300	22000	
Phenanthrene	7.51	751	6.7			
Anthracene	1.54	154	1.4	17000.00	170000.00	
Fluoranthene	3.12	312	2.8	2300.00	22000.00	
Pyrene	5.17	517	4.6	1700.00	17000.00	
Benzo(a)Anthracene *	1.3	133	1.2	0.15	2.10	
Chrysene *	1.29	129	1.1	15.00	210.00	
Benzo(b)fluoranthene *	0.97	97	0.9	0.15	2.10	
Benzo(k)fluoranthene *	0.32	32	0.3	1.50	21.00	
Benzo(a)pyrene *	1.23	123	1.1	0.015	0.21	
Indeno(1,2,3-cd)pyrene *	0.82	82	0.7	0.15	2.10	
Dibenzo(a,h)anthracene *	0.21	21	0.2	0.02	0.21	
Benzo(g,h,i)perylene	0.69	69	0.6			
Contacts:	Chris Pace, ESAT Project Officer, USEPA, (360)-871-8703					
	Theodore Haigh, Organic Chemist USEPA, (360) 871-8713					
The information in this report is being supplied to you at your request as "Preliminary Results".						
Results have not undergone the same level of review as a final report. Once all reviews have						
taken place, it is possible that results in the final report may vary from those in this report.						



# BALLARD DIVING & SALVAGE

1135 NW 46<sup>th</sup> St Seattle, WA 98107

Voice: 206-782-6750 Fax: 206-782-6750 Email: [divers@ballarddiving.com](mailto:divers@ballarddiving.com)

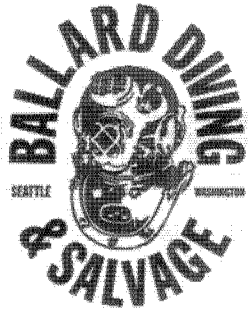
October 12, 2010

## Proposal

### United State Coast Guard – Pipeline Inspection and Location Services



[www.ballarddiving.com](http://www.ballarddiving.com)



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### Executive Summary

On October 12, 2010 Ballard Diving and Salvage received a call from Petty Officer Kevin Mallick related to a Concrete Cylinder Pipeline adjacent to Port Washington Marina. It is understood by Ballard Diving and Salvage that there is a section of the 8" ID pipe exposed at low tide. In this location it has been noted that creosote is escaping the pipeline. This proposal addresses the USCG's desire to locate the pipe, survey the interior of the pipe to document condition and any internal haz-waste buildup, and possibly abandon the system. BDS recommends a three phase approach to this issue:

1. Internal Inspection
2. Location – Alignment
3. Abandonment

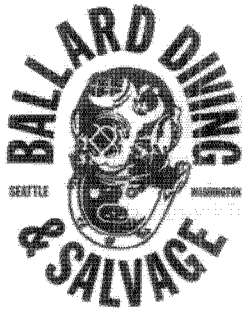
### Internal Inspection

Ballard Diving recommends the use of our OWNED long range crawler system. The Crawler would carry a tilt/rotate zoom color camera and lights to image the inside surface of the pipe. The survey would include visually inspecting the liner of the pipe for structural defects. The typical defects that could be detected are circumferential cracks, longitudinal cracks, offset joints, spalls and erosion of the concrete liner. These areas can be identified by penetration range and potentially changes in grade. A report would be produced in conjunction with the video with the findings of the inspection. The video and features recorded for the report would be noted with umbilical payout (distance) from each access point.

The point of this survey would be to determine whether this pipeline is blocked, occluded, crushed or still structurally sound. If passable the crawler could travel up to 700 each way (offshore/onshore)

**Deployment:** From beach at low tide or vessel at high tide

**Limitations:** If the crawler encounters an offset joint (more than two inches, rock or other obstruction it may be impossible to pass. If the crawler encounters buildup of creosote or slick residue it may not have the traction to continue, however, this heavy weight crawler has the best chance of any other equipment to make the range. BDS just completed nine miles of internal pipeline inspection for the City of Salem performing consistent 6000 foot runs.



# BALLARD DIVING & SALVAGE

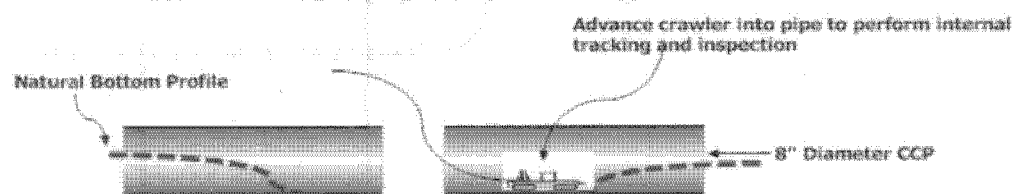
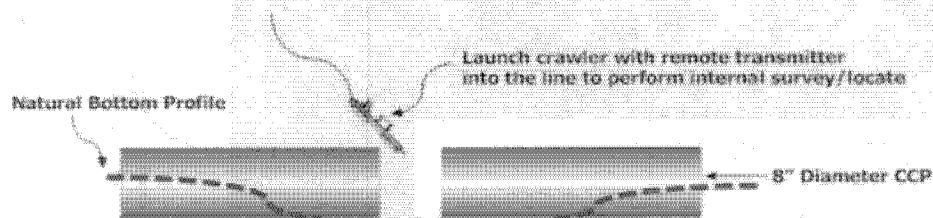
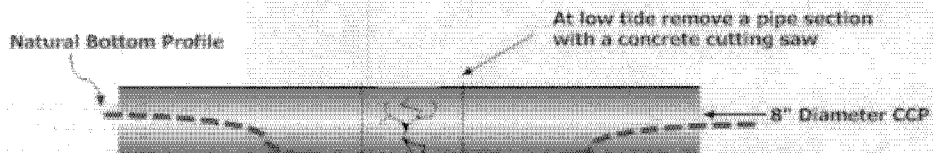
1135 NW 46<sup>th</sup> St Seattle, WA 98107

Voice: 206-782-6750 Fax: 206-782-6750 Email: divers@ballarddiving.com

## Method

The inspection would be primarily a video inspection as the ROV drives forward inside the pipe. The camera would be pointed forward for a complete pipe view as the ROV is moving and stopped at any anomaly or feature that required more detailed inspection. The 10x zoom function of the camera would allow the ROV to zoom in to very small features. Frequent stops will increase the time required for the penetration time but not the return time.

BDS's crawler was designed for penetrations in pipelines under its own power. This is for a number of reasons including simplicity of deployment, safety to the structure and safety to the equipment. The Crawler has 200 lbs of thrust with good traction to pull its own weight and the drag of the umbilical into a pipeline. The system is designed to pull the umbilical around a number of bends. The crawler would in general inspect two directions from each access point to minimize the number of access points.







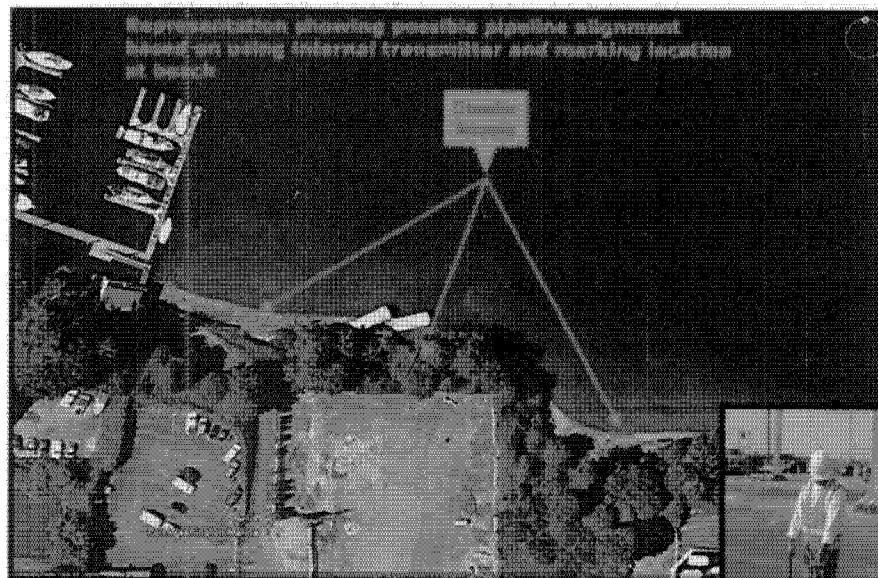
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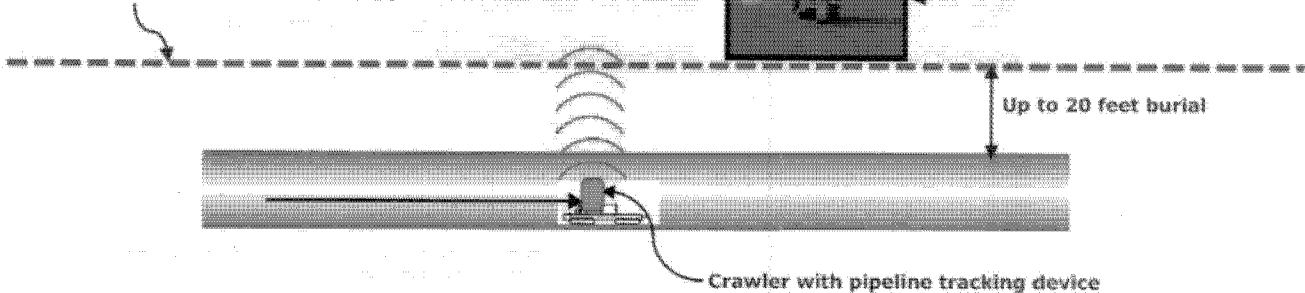
## Location

The crawler would be outfitted with a pipeline locator transponder. The BDS crew, using a HD range finder, would identify the distance from the access point to the beach. Once the crawler is positioned at the beach a surveyor will run track lines longitudinally to identify the position of the crawler in the line. Additional location marks will be acquired as possible.

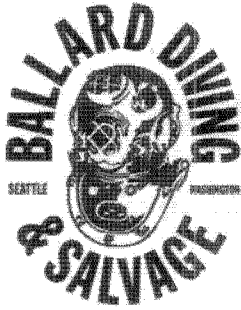


BDS personnel will scan beach once the crawler has advanced to the appropriate range. Marking the pipeline location on the beach in multiple places will define alignment.

Natural Bottom Profile (Beach)



Crawler with pipeline tracking device



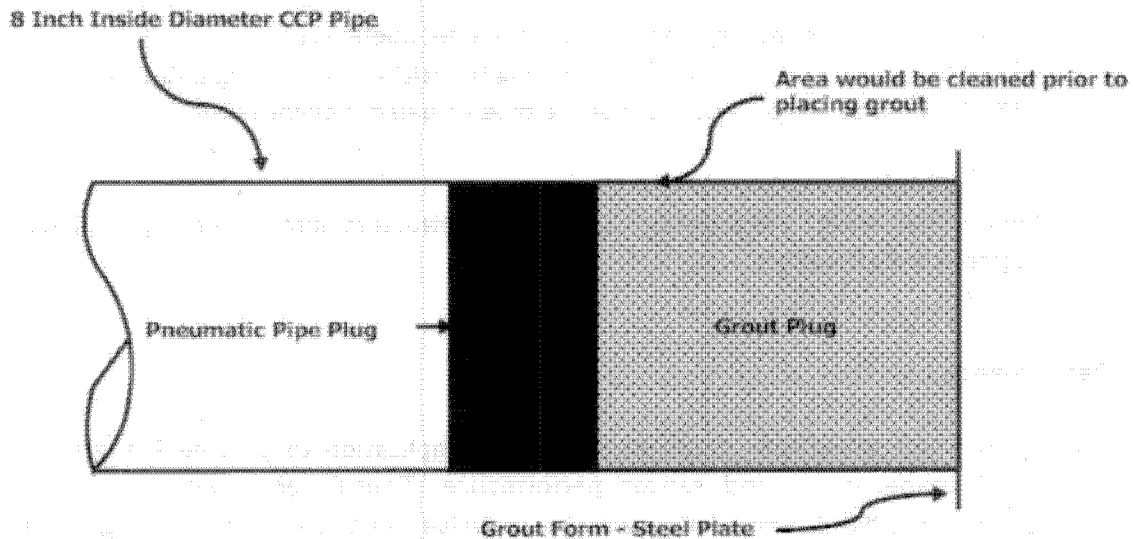
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## Abandonment

If the USCG decides that it is in the best interest of the government to abandon the line a hydraulic cement grout mixture can be used to plug the open ends of the line.



## Equipment Configuration

BDS would provide a Crawler ROV system with the following features:

### Crawler System

Cable Length 750'

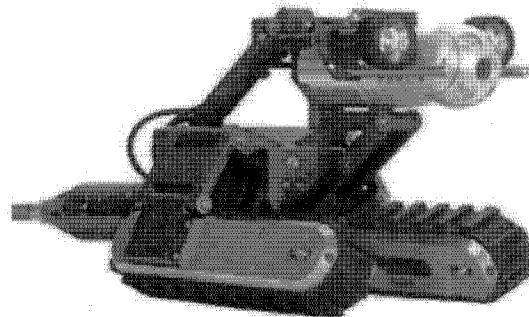
Minimum Diameter 6"

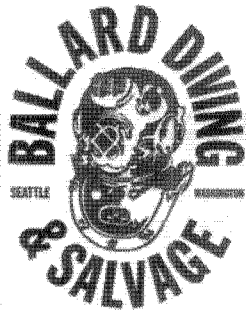
Maximum Speed 30 feet per minute

Weight of Crawler 125lbs

Depth Rating 100'

Forward Lighting 4 x 50W





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### Color Camera System

Main Color Camera Tilt Rotate and Zoom 460 Lines of Resolution

Main Camera Lighting 8 x 6W dimmable

Sensitivity 3 Lux

2 x secondary cameras with integrated lighting

### Options

Profiling Sonar with Minimum Range 6" (flooded pipelines only)

GIS or pipe database software for reporting to inclusion in existing database

GPR Antenna to image the crown of the pipe (drained pipelines only)

### Crew

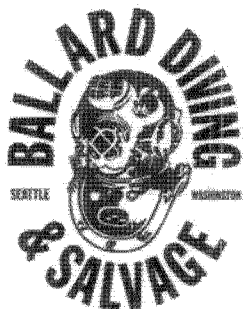
Senior ROV Pilot - Association of Diving Contractors International (ADCI) ROV

Supervisor Certificated

Tender

### Performance

BDS's ROV's are specifically configured for each application to provide the greatest degree of maneuvering and sensor performance. Transducers, cameras, lighting, navigation sub-systems, propulsion, sensors, umbilicals and hulls are all configured to meet the customer's requirements based on the customer supplied specifications and drawings. BDS is not responsible for the performance of the ROV system(s) in the event that the structure that is being inspected is not as represented in the specifications and drawings and/or has hazards, obstructions, marine growth, appliances and features that cannot be safely passed by the ROV.



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Pricing (Estimated – Actual billing based on BOA rates)

Item	Description	Cost
Item 1	Mob/Demob	\$2100.00
Item 2	Cut Pipe ( 4 hours)	\$1500.00
Item 3	Crawler Survey (6 hours)	\$3500.00
Item 4	Pipe Locate (2 hours)	\$750.00
Item 5	Abandonment (4 hours)	\$1500.00

### Project Specific Notes/Exclusions:

- Rates above are for straight time hours only
- Estimate based on known details
- Subsistence and Lodging will be charged if the operation requires an overnight stay

Signed,

Jesse Hutton, Estimator

